M.Sc.

2nd Semester Examination - 2019

ZOOLOGY

Paper - ZOO 204 (CBCS)

Full Marks : 40 Time : 2 Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Group - A

(Wild Life and Eco-Management)

1. Answer any *two* questions of the following : 2×2=4

   (a) Differentiate wild life from the Domesticated one.

   (b) Briefly point out the significance of traditional knowledge in wild life conservation.

   (c) Enlist different threats on wild life of South West Bengal.

[Turn Over]

(d) How many hot-spots are there in Indian Subcontinent? Mention their names. 1+1=2

2. Answer any *two* questions of the following : 2×4=8

(a) Differentiate the Sanctuary from National Parks.

(b) Explain different conservation strategies under ex-situ conservation.

(c) Mention the roles of sacred grooves in biodiversity conservation.

(d) What are the different steps in environmental management.

3. Answer *one* question of the following : 1×8=8

(a) Define E. I. A. What are the different steps in E. I. A? Highlight the criteria for the selection of plants in Green Belt development. 2+3+3

(b) Differentiate pollutants from the contaminants. What are the ecological consequences of eutrophication? Briefly highlight the causes of global warming. 2+4+2

Group - B

(Aqua Informatics)

4. Answer any *two* questions of the following : 2×2=4

   (a) What is climate change ?

   (b) Give two examples of endemic finfishes with scientific names.

   (c) Where NBFGR situated and mentioned its full form.

   (d) Mention the full name of FARTC.

5. Answer any *two* questions : 2×4=8

   (a) Classify the finfishes dependent on their habitat with suitable examples.

   (b) Write a note on the effect of climate change of marine life.

   (c) Explain the strategies for aquatic resource conservation.

   (d) State the causes of climate change.

6. Answer any *one* of the following : 8×1=8

(a) Explain how web based applied systems are effective in conservation of aquatic flora and fauna.

(b) Elaborate the new techniques in aquaculture, which help to increase the production efficiency quality and environmental management.
